## Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application:

1. ~~(currently amended)~~ Polarized-wave splitter, which comprises at least the following components:

- a common waveguide ~~(1)~~ having a cross section suitable for letting at least two different polarizations propagate, the common waveguide having first and second ends, the first end constituting a common input/output ~~(10)~~;

- a first slot ~~(11)~~ placed at the second end of the common waveguide ~~(1)~~, the first slot letting waves propagate with a first polarization;

- a second slot ~~(12)~~ placed on a lateral part of the common waveguide ~~(1)~~, the second slot letting waves propagate with a second polarization;

- a first transition region ~~(2)~~ providing a change in waveguide cross section;

- a second transition region ~~(4)~~ providing a change in waveguide cross section;

- a first waveguide filter ~~(3)~~ having a first end connected to the first slot ~~(11)~~ via the first transition region ~~(2)~~, and a second end constituting a first individual input/output; and

- a second waveguide filter ~~(5)~~ having a first end connected to the second slot ~~(12)~~ via the second transition region ~~(4)~~, and a second end constituting a second individual input/output;

~~characterized in that~~ wherein the overall dimensions of the various components are such that the transfer characteristics of the splitter, within a transmit band and within a receive band, measured, on the one hand, between the common input/output and the first individual input/output and, on the other hand, between the common input/output and the second individual input/output, are better than the characteristics resulting from the sum of the characteristics of the components constituting the splitter, within the said bands.

2. (currently amended) Splitter according to Claim 1, ~~characterized in that~~ wherein the filters ~~(3, 5)~~ are symmetrical with respect to a mid-plane.

3. (currently amended) Splitter according to ~~either of Claims 1 and 2, characterized in that~~ <u>Claim 1, wherein</u> the components constituting the splitter are produced by moulding.